

# Thermocouple thermometers

## TK 61 – TK 62

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### DEVICE DESCRIPTION

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### PERFORM A MEASUREMENT

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- > Turn on the device by pressing "**On/Off/Esc**".
- > Put the probe(s) to the required location.  
*The device displays the temperature measurement with the thermocouple type indicated below.*  
*If the thermometer used is the TK62 with two connected probes, the device displays the two measurements.*
- > Press "**OK**" to display the delta T between the two measured temperatures.

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### HOLD THE MEASUREMENT, DISPLAY THE MAXIMUM AND MINIMUM

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*During a measurement:*

- > Press "**Hold/min/max**".  
*"Hold" is displayed and the measurement is frozen.*
- > Press again "**Hold/min/max**".  
*The device displays the **maximum** value measured since the last questioning of the frozen channel at the top of the screen and the **minimum** value measured since the last questioning of the frozen channel at the bottom of the screen.*
- For a TK 62 with two connected probes:*  
*The device displays the **maximum** value of the T1 probe measured since the last questioning of the frozen channel at the top of the screen and the **minimum** value of the T1 probe measured since the last questioning of the frozen channel at the bottom of the screen.*
- > Press again "**Hold/min/max**".  
*The device displays the **maximum** value of the T2 probe measured since the last questioning of the frozen channel at the top of the screen and the **minimum** value of the T2 probe measured since the last questioning of the frozen channel at the bottom of the screen.*
- > Press again **Hold/min/max**.  
*The device displays the **maximum** value of the delta T since the last questioning of the frozen channel at the top of the screen and the **minimum** value of the delta T since the last questioning of the frozen channel at the bottom of the screen.*
- > Press "**On/Off/Esc**" to return to the measurement display.

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### SET THE DEVICE

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#### Select the thermocouple type

*The device is on and displays the measurement.*

- > Press "**Selection**".  
*"PROBE" blinks on screen.*
- > Press "**OK**".  
*The thermocouple type currently used blinks on screen.*
- > Press "**Selection**" until the required thermocouple type appears: K, T, J or S. Press "**OK**" to confirm the selection.  
*"PROBE" blinks on screen.*
- > Press "**On/Off/Esc**" to return to the measurement display.

## Select the temperature unit

The device is on and displays the measurement.

> Press **"Selection"** until **"UNIT"** blinks on screen. Press **"OK"**.

The unit currently used blinks on screen.

> Press **"Selection"** until the required unit appears: °C or °F.

> Press **"OK"** to confirm the unit selection.

**"UNIT"** blinks on screen.

> Press **"On/Off/Esc"** to return to the measurement display.

## Set the auto shut-off

The device is on and displays the measurement.

> Press **"Selection"** until **"AUTO OFF"** blinks on screen. Press **"OK"**.

The time before the device auto shut-off blinks at the bottom of the screen.

> Press **"Selection"** until the required time before the device auto shut-off appears: 15, 30, 45, 60, 75, 90, 105, 120 minutes or OFF.

> Press **"OK"** to confirm the selection.

**"AUTO OFF"** blinks on screen.

> Press **"On/Off/Esc"** to return to the measurement display.

## Activate or deactivate the keys beep

The device is on and displays the measurement.

> Press **"Selection"** until **"BEEP"** blinks on screen. Press **"OK"**.

**"OFF"** or **"ON"** blinks on screen.

> Press **"Selection"** to activate the keys beep **"ON"** or deactivate it **"OFF"**.

> Press **"OK"** to confirm the selection.

**"BEEP"** blinks on screen.

> Press **"On/Off/Esc"** to return to the measurement display.

## Set the alarm

This function allows to activate a temperature alarm on channel 1 when the device reaches or exceeds a previously defined threshold. This threshold is between -200 and +1760°C according to the thermocouple type of the probe.

The device is on and displays the measurement.

> Press **"Selection"** until **"AL 1"** blinks on screen.

> Press **"OK"**.

The first digit blinks.

> Press **"Selection"** to select the value of the first digit according to the thermocouple type of the probe: -, 0, 1 or OFF.

• If **"Off"** is selected, the alarm is deactivated. Press **"OK"** to confirm, **"AL 1"** blinks on screen.


• If -, 0 or 1 is selected, press **"OK"**. The next digit blinks, press **"Selection"** to select its value then press **"OK"** to confirm. Perform the same procedure to select the value of the following digits (press **"On/Off/Esc"** to return to the previous digit). Press **"OK"** when the last digit is set, **"AL 1"** blinks on screen.

> Press **"On/Off/Esc"** to return to the measurement display.

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## ACTIVATE THE BACKLIGHT

The device is on.

> Press **"Backlight"**  to activate the device backlight.

> Press again this key to deactivate the backlight.

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## TURN OFF THE DEVICE

To turn off the device:

> Carry out a long press on **"On/Off/Esc"**.

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## REPLACE THE BATTERIES

> Remove the front part at the back of the device.

> Change the old batteries by AAA LR03 1.5V batteries.

> Replace the front

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## SAFETY INSTRUCTIONS



In order to avoid any risk of a voltage on the surface of the element on which we want to perform a temperature measurement, the thermocouple(s) **MUST NOT** be under a voltage higher than 30 V alternating or 60 V direct voltage relating to earth.



In order to avoid any damage on the device, the voltage between the two thermocouples **MUST NOT** be higher than 0.5 V.

 Once returned to KIMO, required waste collection will be assured in the respect of the environment in accordance to 2002/96/CE guidelines relating to WEEE



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